DERWENT-ACC-NO: 1977-90223Y

DERWENT-WEEK: 197751

TITLE: Multi-nozzle plate for drawing glass fibres - made by laser piercing flat plate, then opening holes to make the nozzles

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
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INT-CL (IPC): B21D031/02

ABSTRACTED-PUB-NO: DD 127358A

BASIC-ABSTRACT:

A nozzle plate is made for producing individual streams of a hot, molten mineral. An initial plate with the same thickness as the finished plate is pierced to obtain numerous holes. Stamping is then employed to form a cup-shaped depressions round each hole; the holes are then widened so the cups are deformed to produce tubes which are stretched into nozzles. The plate is pref. made of Pt or a Pt-base alloy, a laminated material, or a pptn.-hardened alloy; and the plate may contain gold. Piercing of the plate is pref. carried out by a laser beam.

Uniform deformation of the initial plate to obtain may use

of expensive raw
materials, is obtd. where the resulting nozzles are close together and the
plate has long working life.

TITLE-TERMS: MULTI NOZZLE PLATE DRAW GLASS FIBRE MADE LASER PIERCE FLAT PLATE
OPEN HOLE NOZZLE

DERWENT-CLASS: F01 L01 M21 P52

CPI-CODES: F01-C01; F01-C03; L01-F03B; M21-B04; M21-E02;